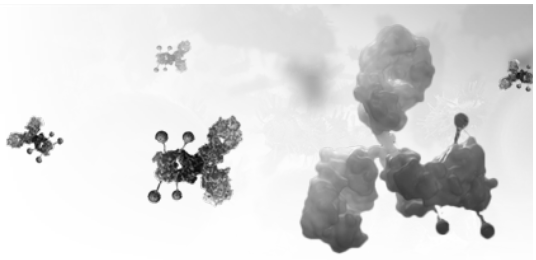

Human Anti-Human CD4 (Clenoliximab) Monoclonal Antibody, clone CE9.1 [Biosimilar] (CABT-Z666H)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This is a reformatted human IgG4 antibody based on the therapeutic Fab fragment.
Specificity	The antibody binds to human CD4 with a Kd of 1.0 nM and an ED50 of 0.2 ug/ml.
Immunogen	Domain 1 of human CD4.
Isotype	IgG4
Source/Host	Human
Species Reactivity	Human, Chimpanzee
Clone	CE9.1
Purification	Protein A purified
Conjugate	Unconjugated
Applications	BL, ELISA, FC, IHC
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	PBS with 0.02% Proclin 300.
Preservative	None

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Storage	Store at 4℃ for up to 3 months. For longer storage, aliquot and store at -20℃.
Ship	Wet ice

BACKGROUND

Introduction	Integral membrane glycoprotein that plays an essential role in the immune response and serves multiple functions in responses against both external and internal offenses. In T-cells, functions primarily as a coreceptor for MHC class II molecule:peptide complex. The antigens presented by class II peptides are derived from extracellular proteins while class I peptides are derived from cytosolic proteins. Interacts simultaneously with the T-cell receptor (TCR) and the MHC class II presented by antigen presenting cells (APCs). In turn, recruits the Src kinase LCK to the vicinity of the TCR-CD3 complex. LCK then initiates different intracellular signaling pathways by phosphorylating various substrates ultimately leading to lymphokine production, motility, adhesion and activation of T-helper cells. In other cells such as macrophages or NK cells, plays a role in differentiation/activation, cytokine expression and cell migration in a TCR/LCK-independent pathway. Participates in the development of T-helper cells in the thymus and triggers the differentiation of monocytes into functional mature macrophages.
Keywords	CD4;CD4 molecule;CD4 antigen (p55) , T cell surface glycoprotein CD4;T-cell surface glycoprotein CD4;CD4 receptor;CD4 antigen (p55);Clenoliximab

GENE INFORMATION

Gene Name	CD4
Entrez Gene ID	920
UniProt ID	P01730

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